## DMC-700SC

# Media Converter

## 1000BASE-T to 1000BASE-SX SC
## 550nm Multimode Fiber to 1000BASE-T Converter

The DMC-700SC is a media converter designed to convert 1000BASE-SX fiber to 1000Base-T copper media or vice versa. Designed under IEEE 802.3ab and 802.3z standards, the DMC-700SC is designed for use with multi-mode fiber cable utilizing the SC-Type connector. The DMC-700SC supports shortwave (SX) laser specification at a full wire speed forwarding rate. Other features of this module include the ability to be used as a stand alone device (no chassis required), Auto MDI / MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The DMC-700SC will transmit at extended fiber optic distances utilizing multimode fiber up to 550 meters.

## FEATURES

**High-Performance Wire-Speed Architecture:**

- One-channel media conversion between 1000BASE-T and 1000BASE-SX
- Fiber media allows: multi-mode fiber using SC connector
- Auto negotiation of duplex mode on TX port
- Auto MDI/MDI-X for TX port
- Link Pass Through function
- Full wire-speed forwarding rate
- Front panel status LEDs

**Support Information**

- 2-Year Warranty
- Free Technical Support

## Device

| | |
|---|---|
| Dimensions: | L120 × W88 × H25 mm (4.72 x 3.46 x .98in) |
| Weight: | 305 g (10.75 ounces) |

## Physical Environment

| | |
|---|---|
| Power | External power adapter 7.5V 1.5A |
| Media Interface: | RJ-45, SC |
| EMI Compatiblity: | FCC Class B CE Certification, VCCI Class B |
| Temperature: | Storage: -25°C ~ 70°C Operating: 0°C ~ 40°C<br>Storage: -13°F ~ 158°F Operating: 32°F ~ 104°F |
| Humidity: | 10% ~90% non-condensing |
| Power Consumption: | 5.5 Watts (maximum) |

## Specifications

| | |
|---|---|
| Standards: | IEEE802.3ab 1000BASE-TX, IEEE802.3z 1000BASE-SX |
| Data Transfer Rate: | 1488000pps for 1000Mbps |
| Duplex Mode: | Full Duplex Mode |
| LED indicators: | PWR, LNK/ACT |
| Cable | 1000BASE-T --<br>4 pair Cat. 5, EIA/TIA-568 100-ohm twisted-pair (STP), up to 100m<br>1000BASE-SX --<br>62.5/125µm multi-mode fiber optic cable, up to 220m<br>50/125µm multi-mode fiber optic cable, up to 550m |

## Ordering Information

| *Part Number* | *Description* |
|---|---|
| DMC-700SC | 1000BASE-T to 1000BASE-SX SC Media Converter |



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